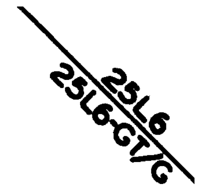




25L6, 25L6-GT/G

BEAM POWER AMPLIFIER

	25L6	25L6-GT/G	
Heater ■	Coated Unipotential Cathode		
Voltage	25		a-c or d-c volts
Current	0.3		amp.
Direct Interelectrode Cap.	▲	▲▲	
Grid to Plate	0.3	0.8	μμf
Input	16.0	15	μμf
Output	13.5	10	μμf
Maximum Overall Length	3-1/4"	3-5/16"	
Maximum Seated Height	2-11/16"	2-3/4"	
Maximum Diameter	1-5/16"	1-5/16"	
Bulb	Metal Shell, MT-8	T-9	
Base	Small Wafer Octal 7-Pin	Intermed. Sh. Octal 7-Pin	
Basing Designation	7AC	G-7AC	

Pin 1 {25L6, Shell; 25L6-GT/G, No Con.
Pin 2 - Heater
Pin 3 - Plate
Pin 4 - Screen
Pin 5 - Grid
Pin 7 - Heater
Pin 8 - Cathode, Grid #3

BOTTOM VIEW

Mounting Position: Any

Maximum Ratings Are Design-Center Values

AMPLIFIER

Plate Voltage	200 max.	volts
Screen Voltage	117 max.	volts
Plate Dissipation	10 max.	watts
Screen Dissipation	1.25 max.	watts

Typical Operation and Characteristics - Class A_1 Amplifier:

Plate Voltage	100	200	volts
Screen Voltage	110	110	volts
Grid Voltage *	-7.5	-8	volts
Peak A-F Grid Voltage	7.5	8	volts
Zero-Sig. Plate Cur.	49	50	ma.
Max.-Sig. Plate Cur.	50	55	ma.
Zero-Sig. Screen Cur.	4	2	approx. ma.
Max. Sig. Screen Cur.	11	7	approx. ma.
Plate Resistance	13000	30000	approx. ohms
Transconductance	9000	9500	μmhos
Load Resistance	2000	3000	ohms
Total Harmonic Dist.	10	10	%
Max.-Sig. Power Output	2.1	4.3	watts

■ In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.
▲ With shell connected to cathode. Values are approximate.
▲▲ With no external shield. Values are approximate.
* The type of input coupling used should not introduce too much resistance in the grid circuit. Transformer- or impedance-coupled devices are recommended. When the grid circuit has a resistance not higher than 0.1 megohm, fixed bias may be used; for higher values, cathode bias is required. With cathode bias, the grid circuit may have a resistance not to exceed 0.5 megohm.

Curves under Type 50L6-GT apply to the 25L6 and 25L6-GT/G.

◄ Indicates a change.

25L6



25L6

AVERAGE PLATE CHARACTERISTICS
TRIODE CONNECTION

E_f = 25 VOLTS

PLATE VOLTS

PLATE (I_b) OR GRID (I_C) MILLIAMPERES

AUG. 22, 1941 — RCA VICTOR DIVISION — 92C-6316

RADIO CORPORATION OF AMERICA HARRISON, NEW JERSEY